

Land Classification Interpretations

Prime and Important Farmland

Prime farmland is land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops, and is also available for these uses (the land could be cropland, pastureland, forest land, or other land, but not urban built-up land or water). It has the soil quality, growing season, and moisture supply needed to economically produce sustained high yields of crops when treated and managed, including water management, according to acceptable farming methods.

In general, prime farmlands have an adequate and dependable water supply from precipitation or irrigation, a favorable temperature and growing season, acceptable acidity or alkalinity, acceptable salt content, and few or no rocks. They are permeable to water and air. Prime farmlands are not excessively erodible or saturated with water for a long period of time, and they either do not flood frequently or are protected from flooding.

This section includes lists of soil survey map units that meet the soil requirements for prime farmland in the county and state. Soils that have limitations, such as a high water table or flooding, may qualify as prime farmland if these limitations are overcome by such measures as drainage or flood control. State important soils are also noted.

This subsection includes:

- **(a) County Prime Farmland List**
- **(b) Missouri's Soil Survey Mapping Units Denoting Prime Farmland and Farmland of Statewide Importance**

Jackson County, Missouri
Prime Farmland

(Only the soils considered prime farmland are listed. Urban or built-up areas of the soils listed are not considered prime farmland. If a soil is prime farmland only under certain conditions, the conditions are specified in parentheses after the soil name.)

Map symbol	Soil name
1B	SIBLEY SILT LOAM, 2 TO 5 PERCENT SLOPES
1C	SIBLEY SILT LOAM, 5 TO 9 PERCENT SLOPES
5B	MACKSBURG SILT LOAM, 2 TO 5 PERCENT SLOPES
6B	SHARPSBURG SILT LOAM, 2 TO 5 PERCENT SLOPES
13B	SAMPSEL SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES (Prime farmland if drained)
15B	MENFRO SILT LOAM, 2 TO 5 PERCENT SLOPES
17B	POLO SILT LOAM, 2 TO 5 PERCENT SLOPES
19B	WELLER SILT LOAM, 2 TO 5 PERCENT SLOPES
30	KENNEBEC SILT LOAM, OCCASIONALLY FLOODED
31	COLO SILTY CLAY LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)
33	ZOOK SILTY CLAY LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)
36	BREMER SILT LOAM, OCCASIONALLY FLOODED (Prime farmland if drained)
38	WIOTA SILT LOAM, RARELY FLOODED
73	LETA SILTY CLAY, OCCASIONALLY FLOODED
82	PARKVILLE SILTY CLAY, OCCASIONALLY FLOODED
83	HAYNIE SILT LOAM, OCCASIONALLY FLOODED
87	MODALE SILT LOAM, OCCASIONALLY FLOODED
88	GILLIAM SILTY CLAY LOAM, OCCASIONALLY FLOODED
90	WABASH SILTY CLAY, OCCASIONALLY FLOODED (Prime farmland if drained)
91A	NAPIER SILT LOAM, 0 TO 3 PERCENT SLOPES
92	COTTER SILT LOAM, RARELY FLOODED